



JUNCTION BOX MARK SERIES

MARK IV Increased Safety



Zone 1,2,21,22

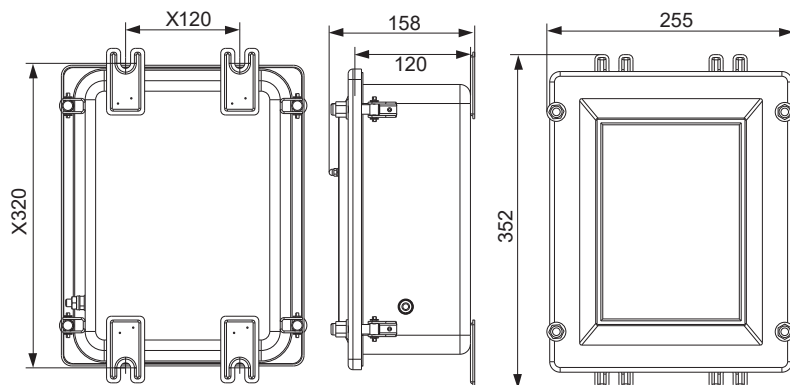
SPECIFICATION

TYPE	MARK IV
Application	As terminal or marshaling enclosure
Protection	Ex e II T6/T5 Gb- Ex ia IIC T6/T5 Gb - Ex t IIIC T80°C/T 95°C Db
Marking(ATEX)	⊕ II 2 GD
Certificate No.	TÜV 11 ATEX 7155X - IECEx TUR 11.0021X
Standards	IEC60079-0 ,IEC60079-7 , IEC60079-11 , IEC60079-31
Material	A) Stainless steel B) Mild steel
Finish	A) Stainless steel may be coated or painted to suit customer application. B) Mild steel to be coated or painted by the manufacturer or the customer.
Ingress Protection	IP 66,67,68 to IEC 60529
Temperature Class	T6 and T5
Ambient temperature	-40°C to +65°C
Lid Fixing	4 x M8 stainless steel screws.
Earthing	M8 Internal / External stainless steel Earth Stud.
Enclosure Mounting	4 slotted Fixing Brackets for M10 screws.
DRAIN PLUG	As an option

SIDE CABLE ENTRY SELECTION

THREAD SIZE	M20(O)	M20(A)	M25(B)	M32(C)	M40(C2)	M50(D)	M63(E)	M75(F)
ACROSS FLATS	25	30	36	46	55	65	80	95
ACROSS CORNERS	27.7	34.6	41.6	53.1	63.5	75.1	92.4	109.6
MAX.NO. OF ENTRIES	L	18	11	9	4	3	2	-
	R	18	11	9	4	3	2	-
	T	15	11	6	4	2	2	-
	B	15	11	6	4	2	2	-

Dimensions (mm)		
	INTERNAL	EXTERNAL
LENGTH	280.5±5	352±5
WIDTH	202±5	255±5
HEIGHT	118.5±5	158±5
FIXING BRACKETS	-	320x120±1



All information may be revised or changed by SHOMAL at anytime without prior notice or explanation.

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MARK IV TERMINALS DATA(CONTINUED)

TERMINAL TYPE	CONDUCTOR SIZE mm ²		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
WDU 1.5/ZZ*	0.13	2.5	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
WDU 2.5 / 1.5 / ZR	0.13	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
WDU 2.5	0.13	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
WDU 2.5N	0.13	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
WDU 4	0.13	6	33	33	1	VERTICAL
			20	40	2	HORIZONTAL
WDU 6	0.5	10	25	25	1	VERTICAL
			15	30	2	HORIZONTAL
WDU 10	1.31	16	20	20	1	VERTICAL
			12	24	2	HORIZONTAL
WDU 16	1.5	25	17	17	1	VERTICAL
			10	10	1	HORIZONTAL
WDU 35	2.5	50	12	12	1	VERTICAL
			7	7	1	HORIZONTAL
WDU 50N	5.26	70	11	11	1	VERTICAL
			6	6	1	HORIZONTAL
WDU 70/95	16	120	7	7	1	VERTICAL
			4	4	1	HORIZONTAL
WDK 2.5 *	0.13	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
WFF35*	2.5	50	7	7	1	VERTICAL
			4	4	1	HORIZONTAL
SAK 2.5*	0.5	4	34	34	1	VERTICAL
			20	40	2	HORIZONTAL
SAK 4	0.5	6	31	31	1	VERTICAL
			19	38	2	HORIZONTAL
SAK 6N	0.5	10	25	25	1	VERTICAL
			15	30	2	HORIZONTAL
SAK 10	1.5	16	20	20	1	VERTICAL
			12	24	2	HORIZONTAL
SAK 16	2.5	16	17	17	1	VERTICAL
			10	10	1	HORIZONTAL
SAK 35	6	50	11	11	1	VERTICAL
			6	6	1	HORIZONTAL
ZDU 2.5*	0.08	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
ZDU 2.5/3AN	0.08	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
ZDU2.5/4AN	0.08	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
ZDU2.5/2X2AN	0.08	4	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
ZDU 4	0.21	6	34	34	1	VERTICAL
			20	40	2	HORIZONTAL
ZDU 6	0.21	6	25	25	1	VERTICAL
			15	30	2	HORIZONTAL
ZDK2.5/1.5*	0.08	2.5	40	40	1	VERTICAL
			24	48	2	HORIZONTAL
UK 1.5N**	0.14	0.7	48	48	1	VERTICAL
			29	58	2	HORIZONTAL
UK 2.5 N	0.2	2.5	39	39	1	VERTICAL
			24	48	2	HORIZONTAL
UK 3N	0.2	2.5	39	39	1	VERTICAL
			24	48	2	HORIZONTAL
UK 5N	0.2	4	33	33	1	VERTICAL
			20	40	2	HORIZONTAL
UK 6N	0.2	6	25	25	1	VERTICAL
			15	30	2	HORIZONTAL

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	MIN	MAX	PER RAIL	TOTAL		
UK 10N	0.5	10	20	20	1	VERTICAL
			12	24	2	HORIZONTAL
UK 16N	0.75	16	16	16	1	VERTICAL
			10	10	1	HORIZONTAL
UK 35	0.75	35	13	13	1	VERTICAL
			8	8	1	HORIZONTAL
UKH 50	16	95	10	10	1	VERTICAL
			6	6	1	HORIZONTAL
RTP 2.5***	0.5	4	34	34	1	VERTICAL
			20	40	2	HORIZONTAL
RTP 4	0.5	4	32	32	1	VERTICAL
			19	38	2	HORIZONTAL
RTP 6	0.5	10	25	25	1	VERTICAL
			15	30	2	HORIZONTAL
RTP 10	0.5	16	20	20	1	VERTICAL
			12	24	2	HORIZONTAL
RTP 16	0.5	16	8	8	1	VERTICAL
			8	8	1	HORIZONTAL
RTP 25	0.5	25	15	15	1	VERTICAL
			9	9	1	HORIZONTAL
RTP 35	1.5	35	12	12	1	VERTICAL
			7	7	1	HORIZONTAL
RTP 50	10	50	10	10	1	VERTICAL
			6	6	1	HORIZONTAL

* SAK & WDU & WDK & ZDU & ZDK & WFF ARE WEIDMULLER / KLIPPON RANGE OF TERMINALS.

** UK & UKH ARE PHOENIX CONTACT RANGE OF TERMINALS.

*** RTP IS RAAD RANGE OF TERMINALS.

ALL TERMINALS INCREASED SAFETY AND ALL CODED Exe II.

NOTES

- 1- THE NUMBER AND COMBINATION OF DIFFERENT SIZES OF TERMINALS WHICH CAN BE FITTED TO THE ENCLOSURE IS LIMITED BY THE MAXIMUM POWER DISSIPATION OF ENCLOSURE FOR ASSISTANCE CALL THE "S.E.M.C." REPRESENTATIVE.
- 2- ROWS OF TERMINALS ARE FITTED BETWEEN END STOPS ON TERMINALS RAILS.
- 3- PARTITIONS ARE FITTED BETWEEN TERMINALS OF DIFFERENT TYPES OR SIZES, AND BETWEEN LINKED AND UNLINKED TERMINALS.
- 4- THE TABLE SHOWN IS GIVEN AS A GUIDE ONLY, ALLOWANCE HAVE BEEN MADE FOR THE FITTING OF ONE END SECTION AND TWO END BRACKETS ON EACH RAIL.
- 5- THE NUMBER OF TERMINALS MUST BE REDUCED IF PARTITIONS OR EXTRA END SECTION SPACE ARE REQUIRED.